

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037



weekly statistical bulletin

STATISTICS DEPARTMENT

VOL. 64

For Week Ended

APRIL 15, 1983

NO. 15

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)

(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 04/15/83	Last Week Ending: 04/08/83	Last Year Week Ending: 04/16/82		Change From Last Week		Change From Last Year
<u>Refinery Operations</u>							
Input to crude oil distillation units	11,722	11,614	11,891	+	108	-	169
Operable capacity	16,854	16,854	17,492		0	-	638
Percent operated	69.6	68.9	68.0				
<u>Motor Gasoline</u>							
Total motor gasoline production	6,118	6,182	5,930	-	64	+	188
Finished leaded motor gasoline production	2,704	2,764	N/A	-	60		N/A
Finished unleaded motor gasoline production	3,414	3,418	N/A	-	4		N/A
Total motor gasoline stocks	226,019	227,632	239,640	-	1,613	-	13,621
Finished leaded motor gasoline stocks	89,579	90,877	N/A	-	1,298		N/A
Finished unleaded motor gasoline stocks	91,412	92,464	93,245	-	1,052	-	1,833
<u>Distillate Fuel Oil</u>							
Distillate fuel oil production	2,194	2,131	2,263	+	63	-	69
Distillate fuel oil stocks	115,637	120,728	117,666	-	5,091	-	2,029
<u>Residual Fuel Oil</u>							
Residual fuel oil production	998	1,007	1,146	-	9	-	148
Residual fuel oil stocks	47,307	47,467	58,127	-	160	-	10,820
<u>Imports</u>							
Crude oil imports	2,342	2,320	2,626	+	22	-	284
Product imports	1,569	1,608	1,213	-	39	+	356
<u>Crude Oil Stocks</u>							
Crude oil stocks	356,109	350,808	371,680	+	5,301	-	15,571

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 457-7147.

NA-Not Available



STATISTICS DEPARTMENT

VOL. 64 For Week Ended APRIL 15, 1983

NO. 15

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Oper- ated
East Coast	1,050	970	1,003	1,569	63.9
Appal. No. 1	81	77	77	98	78.6
DISTRICT 1 TOTAL	1,131	1,047	1,080	1,667	64.8
Appal. No. 2	45	41	45	66	68.2
Ind., Ill., Ky.	1,906●	1,765	1,770	2,399	73.8
Minn., Wis., Daks.	251	238	244	293	83.3
Okla., Kans., Mo.	725	626	633	858	73.8
DISTRICT 2 TOTAL	2,927●	2,670	2,692	3,616	74.4
Inland Texas	506	447	470	592	79.4
Texas Gulf Coast	3,010	2,742	2,823	4,164	67.8
La. Gulf Coast	2,130	1,924	1,963	2,748	71.4
N. La. and Ark.	202	178	193	314	61.5
New Mexico	93	75	79	117	67.5
DISTRICT 3 TOTAL	5,941	5,366	5,528	7,935	69.7
DISTRICT 4 TOTAL	427	387	393	553	71.1
DISTRICT 5 TOTAL	2,173●	1,967●	2,029●	3,083	65.8●
TOTAL U.S.	12,599	11,437	11,722	16,854	69.6
TOTAL U.S.					
Weeks Ended:					
APR. 8, 1983	12,644●	11,335●	11,614●	16,854	68.9●
APR. 16, 1982	12,740	11,493	11,891	17,492	68.0
DISTRICTS 1-4					
Weeks Ended:					
APR. 15, 1983	10,426	9,470	9,693	13,771	70.4
APR. 8, 1983	10,480●	9,302	9,565	13,771	69.5
APR. 16, 1982	10,419	9,389	9,704	14,408	67.4

● SEE REVISIONS ON PAGE 7.

API WEEKLY STATISTICAL BULLETIN
Week Ended APRIL 15, 1983

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	544	173	371	15	42	233	101
Appal. No. 1	33	18	15	2	--	26	8
DISTRICT 1 TOTAL	577	191	386	17	42	259	109
Appal. No. 2	32	15	17	2	4	7	--
Ind., Ill., Ky.	1,148	525	623	10	80	296	67
Minn., Wis., Daks.	150	72	78	3	4	54	3
Okla., Kans., Mo.	416	242	174	7	12	137	8
DISTRICT 2 TOTAL	1,746	854	892	22	100	494	78
Inland Texas	232	91	141	26	27	106	13
Texas Gulf Coast	1,319	537	782	32	194	587	223
La. Gulf Coast	986	435	551	10	190	310	180
N. La. and Ark.	70	36	34	8	--	47	10
New Mexico	22	9	13	17	--	22	2
DISTRICT 3 TOTAL	2,629	1,108	1,521	93	417	1,072	428
DISTRICT 4 TOTAL	240	112	128	10	18	90	7
DISTRICT 5 TOTAL	926	439	487	36	213	279	376
TOTAL U.S.	6,118	2,704	3,414	178	790	2,194	998
TOTAL U.S.							
Weeks Ended:							
APR. 8, 1983	6,182	2,764	3,418	167	881	2,131	1,007
APR. 16, 1982	5,930	N/A	N/A	165	859	2,263	1,146
DISTRICTS 1-4							
Weeks Ended:							
APR. 15, 1983	5,192	2,265	2,927	142	577	1,915	622
APR. 8, 1983	5,252	2,338	2,914	132	648	1,842	643
APR. 16, 1982	5,054	N/A	N/A	127	675	1,918	740

¹Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.

²Includes Grade No. 4 fuel oil.

NA-Not Available

API WEEKLY STATISTICAL BULLETIN
Week Ended APRIL 15, 1983

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline			Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,549	2,634	2,915	--	191	737	5,315	1,602	--
Central Atlantic	25,879●	10,434	11,582●	3,863	692	5,249	19,620	14,316	12,949
Lower Atlantic	26,339	13,823	12,055	461	256	4,385	10,919	3,664	365
DISTRICT 1 TOTAL	57,767●	26,891	26,552●	4,324	1,139	10,371	35,858	19,582	13,314
DISTRICT 2 TOTAL	68,547●	28,949	28,509●	11,089	1,196	7,728	37,565	4,191	18,495
DISTRICT 3 TOTAL	64,677	21,886	23,779	19,012	2,561	10,588	27,470	13,616	50,483
DISTRICT 4 TOTAL	8,314	3,129	1,875	3,310	322	730	3,079	399	2,743
DISTRICT 5 TOTAL	26,714●	8,724●	10,697●	7,293	1,717	6,316	11,665	9,519	28,203●
TOTAL U.S.	226,019	89,579	91,412	45,028	6,935	35,733	115,637	47,307	113,238
TOTAL U.S.									
Weeks Ended:									
APR. 8, 1983	227,632●	90,877●	92,464●	44,291	7,370	35,656	120,728	47,467	110,242●
APR. 16, 1982	239,640	N/A	93,245	N/A	6,424	36,246	117,666	58,127	117,758
DISTRICTS 1-4									
Weeks Ended:									
APR. 15, 1983	199,305	80,855	80,715	37,735	5,218	29,417	103,972	37,788	85,035
APR. 8, 1983	200,200●	81,820	81,818●	36,562	5,385	29,428	108,397	37,881	82,921
APR. 16, 1982	212,058	N/A	83,482	N/A	4,953	29,116	106,293	47,674	92,524

¹Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

²Includes Grade No. 4 fuel oil.

● SEE REVISIONS ON PAGE 7.

NA-Not Available

WEEKLY STATISTICAL BULLETIN
Week Ended APRIL 15, 1983

**ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE),
IMPORTS AND STOCKS OF CRUDE OIL**

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production ¹		Crude Oil Imports ¹		Crude Oil Stocks By Location ¹
	API Monthly	Latest Dept. of Energy NOV. 1982	Total	From Canada	
	----- Daily Average -----				
DISTRICTS 1-4 TOTAL					
APR. 15, 1983	5,881.4	5,907.0	2,236	172	266,480
APR. 8, 1983	5,881.4	--	2,189	190	264,781●
APR. 1, 1983	5,902.9	--	2,250	192	266,187
MAR. 25, 1983	5,902.9	--	2,278	183	269,432
DISTRICT 5 TOTAL					
APR. 15, 1983	2,829.0	2,776.0	106	8	89,629 *
APR. 8, 1983	2,829.0	--	131	--	86,027
APR. 1, 1983	2,826.2	--	93	28	77,918
MAR. 25, 1983	2,826.2	--	79	14	84,619
*INCLUDES 31,957 BBLs. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.					
TOTAL U.S.					
APR. 15, 1983	8,710.4	8,683.0	2,342	180	356,109 *
APR. 8, 1983	8,710.4	--	2,320	190	350,808●
APR. 1, 1983	8,729.1	--	2,343	220	344,105
MAR. 25, 1983	8,729.1	--	2,357	197	354,051
APR. 16, 1982	8,608.0/A	--	2,626	136	371,680
/A = DOE ACTUAL FOR APRIL 1982.					

LOCATION OF CRUDE OIL STOCKS¹

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1-4	District 5	Total U.S.
Weeks Ended:							
APR. 15, 1983	17,956	78,403	154,645	15,476	266,480	89,629 *	356,109 *
APR. 8, 1983	15,948	78,767●	153,973	16,093	264,781●	86,027	350,808●
APR. 16, 1982	20,720	81,433	165,008	15,048	282,209	89,471	371,680

¹See definitional notes, Page 6.

● SEE REVISIONS ON PAGE 7.

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	L.P.G.	Unfinished Oil ³	Other	Total
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type						
New England	70	47	23	--	--	--	100	8	--	--	178
Central Atlantic	101	68	33	--	9	66	607	8	49	31	871
Lower Atlantic	--	--	--	--	--	--	--	--	--	--	--
DISTRICT 1 TOTAL											
<i>APR.</i> 15, 1983	171	115	56	--	9	66	707	16	49	31	1,049
<i>APR.</i> 8, 1983	176	120	56	--	10	35	604	15	159	21	1,020
<i>APR.</i> 1, 1983	162	76	86	--	--	--	652	2	8	3	827
<i>MAR.</i> 25, 1983	149	98	51	--	17	20	575	9	16	62	848
DISTRICTS 2-4 TOTAL											
<i>APR.</i> 15, 1983	26	22	4	--	--	--	98	180	68	79	451
<i>APR.</i> 8, 1983	4	4	--	--	--	--	91	203	113	118	529
<i>APR.</i> 1, 1983	--	--	--	--	--	--	--	73	47	--	120
<i>MAR.</i> 25, 1983	--	--	--	--	--	3	40	263	154	24	484
DISTRICT 5 TOTAL											
<i>APR.</i> 15, 1983	25	18	7	--	--	6	11	16	--	11	69
<i>APR.</i> 8, 1983	21	14	7	--	--	7	11	15	--	5	59
<i>APR.</i> 1, 1983	2	1	1	--	--	7	10	3	--	--	22
<i>MAR.</i> 25, 1983	24	15	9	--	--	7	10	12	--	9	62
TOTAL U.S.											
	222	155	67	--	9	72	816	212	117	121	1,569
TOTAL U.S.											
Weeks Ended:											
<i>APR.</i> 8, 1983	201	138	63	--	10	42	706	233	272	144	1,608
<i>APR.</i> 1, 1983	164	77	87	--	--	7	662	78	55	3	969
<i>MAR.</i> 25, 1983	173	113	60	--	17	30	625	284	170	95	1,394
<i>APR.</i> 16, 1982	195	N/A	65	--	19	31	670	179	108	9	1,213

¹Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

²Includes Grade No. 4 fuel oil.

³See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.

Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subsequent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.

The Total of crude oil imports includes receipts from Canada.

Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.

Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

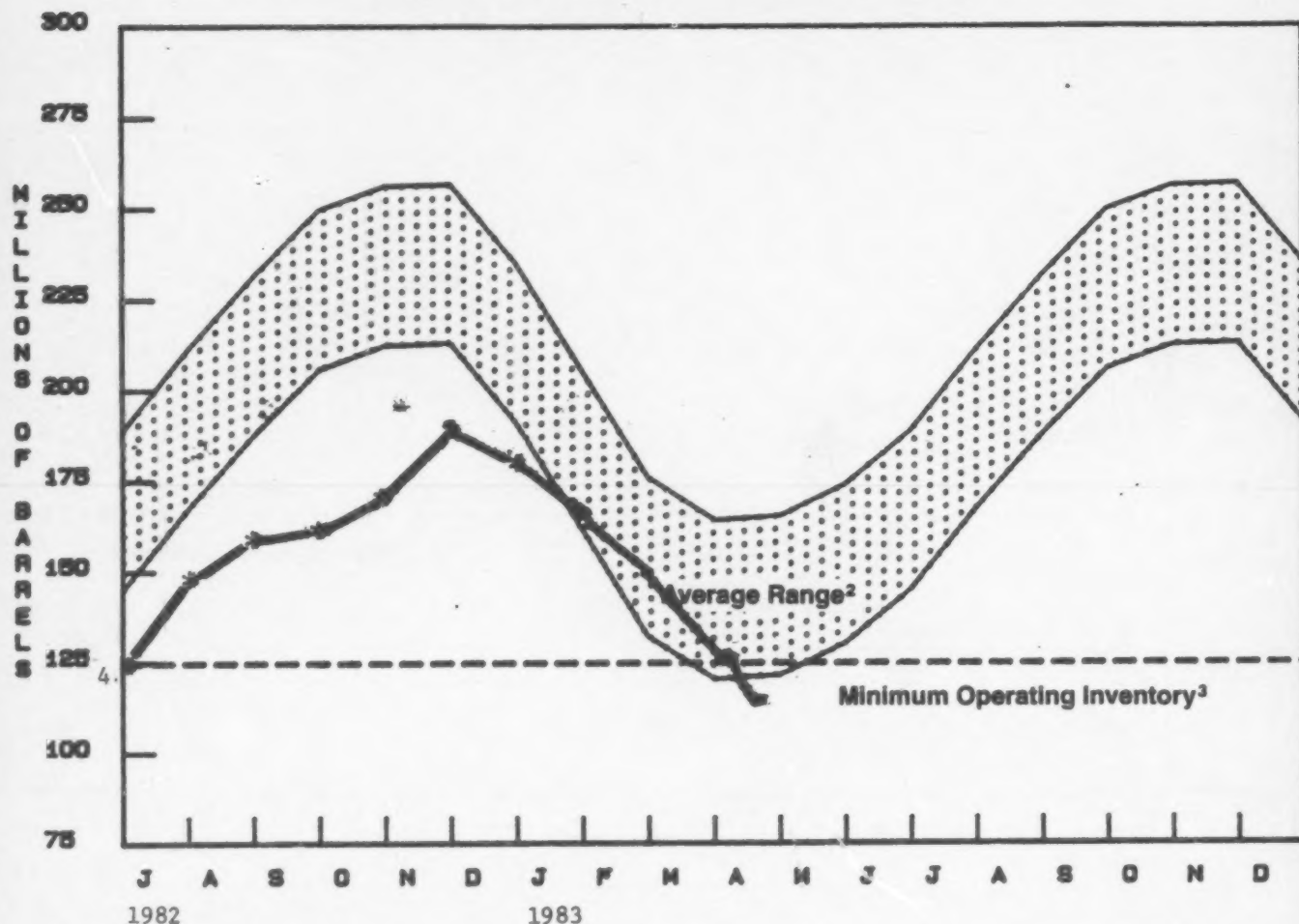
Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

4/08/83	PAGE 1	TOTAL REFINERY INPUT	IND., ILL., KY.	1,883
			DISTRICT 2 TOTAL	2,869
			DISTRICT 5 TOTAL	2,164
			TOTAL U.S.	12,644
			DISTRICTS 1-4	10,480
		CRUDE OIL RUNS	DISTRICT 5 TOTAL	2,033
			TOTAL U.S.	11,335
		INPUT TO CRUDE OIL	DISTRICT 5 TOTAL	2,049
			TOTAL U.S.	11,614
		O/O OPERATED	DISTRICT 5 TOTAL	66.5
			TOTAL U.S.	68.9
	PAGE 3	TOTAL MGAS	CENTRAL ATLANTIC	26,320
			DISTRICT 1 TOTAL	57,294
			DISTRICT 2 TOTAL	68,703
			DISTRICT 5 TOTAL	27,432
			TOTAL U.S.	227,632
			DISTRICTS 1-4	200,200
		LEADED MGAS	DISTRICT 5 TOTAL	9,057
			TOTAL U.S.	90,877
		UNLEADED MGAS	CENTRAL ATLANTIC	11,993
			DISTRICT 1 TOTAL	26,301
			DISTRICT 2 TOTAL	29,270
			DISTRICT 5 TOTAL	10,646
			TOTAL U.S.	92,464
			DISTRICTS 1-4	81,818
		UNFINISHED OILS	DISTRICT 5 TOTAL	27,321
			TOTAL U.S.	110,242
PAGE 4	TOP	CRUDE OIL STOCKS	DISTRICTS 1-4 TOTAL	264,781
			TOTAL U.S.	350,808
PAGE 4	BOTTOM	TOTAL	PAD DISTRICT 2	78,767
		TOTAL	TOTAL PAD DISTRICTS 1-4	264,781
		TOTAL	TOTAL U.S.	350,808

Distillate Fuel Oil Stocks at Primary Level^{1 5}



¹Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

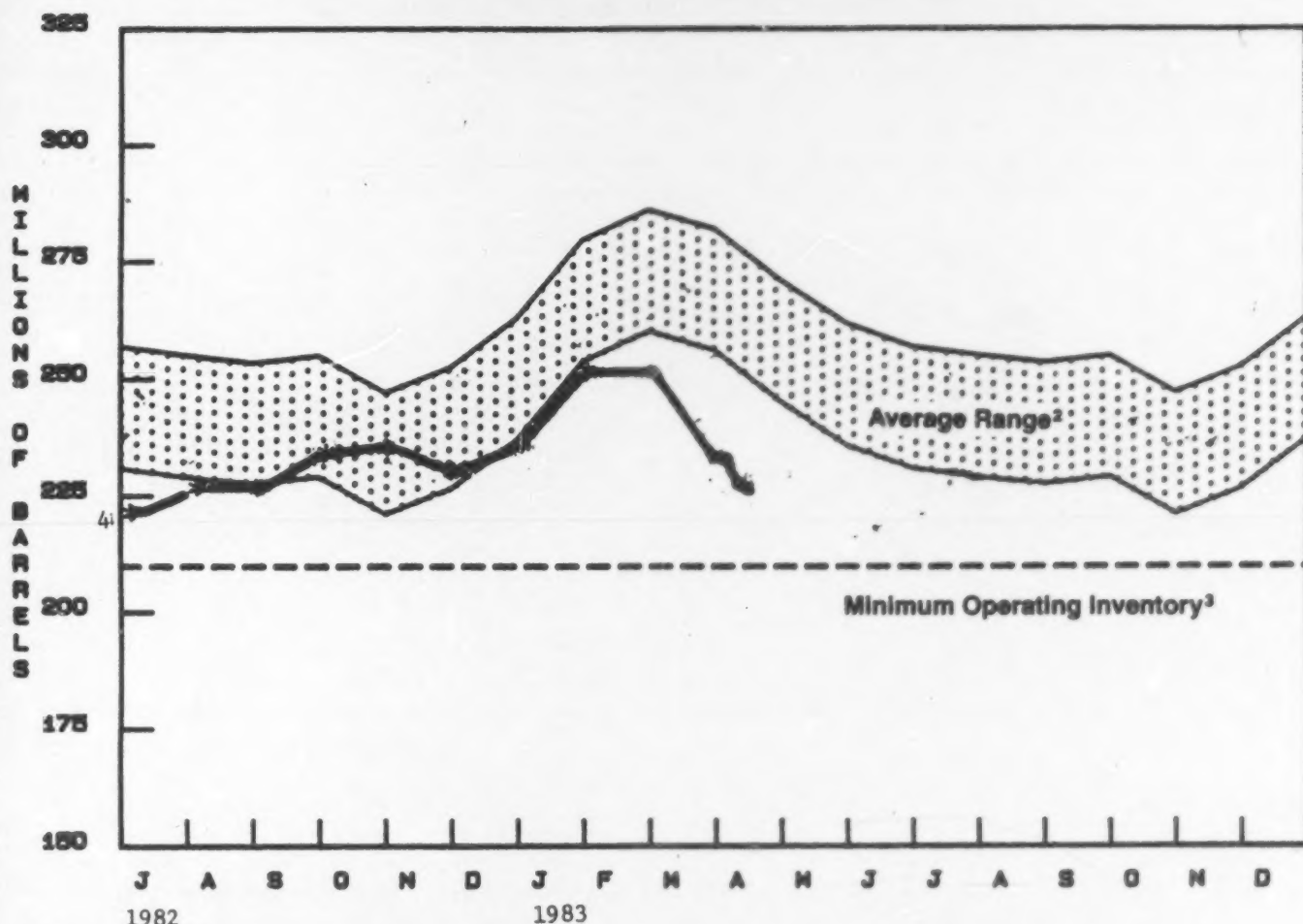
²Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

³The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

⁴Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
 ●— API, "Weekly Statistical Bulletin."

⁵The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Motor Gasoline Stocks at Primary Level^{1,5}



¹Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

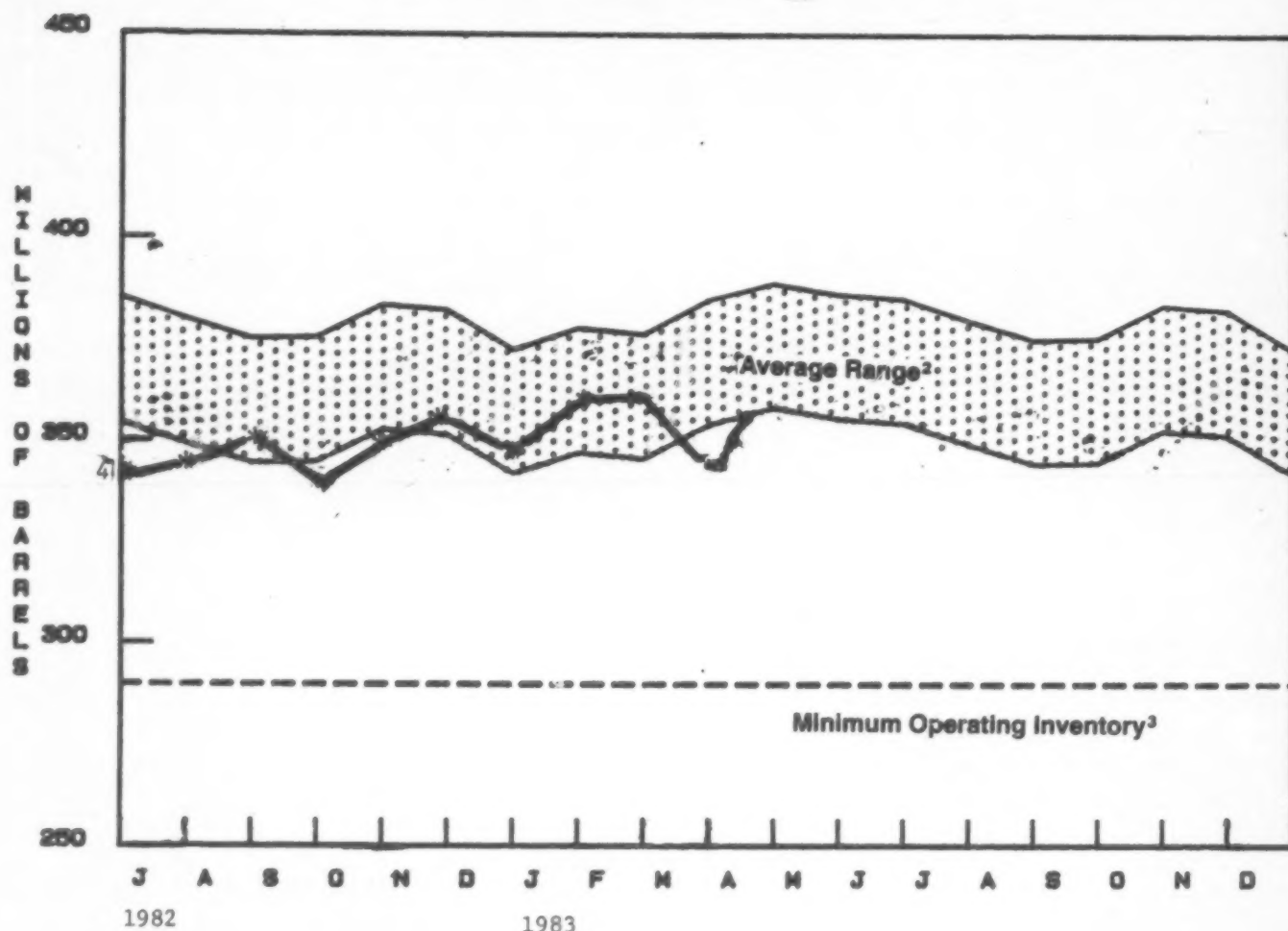
²Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

³The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

⁴Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
●— API, "Weekly Statistical Bulletin."

⁵The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Crude Oil Stocks at Primary Level¹ ⁵



¹Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

²Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

³The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

⁴Source: *— EIA, Energy Data Reports, "Petroleum Statement."
 •— API, "Weekly Statistical Bulletin."

⁵The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.